DATASHEET
FUJITSU LIFEBOOK E8420 NOTEBOOK

THE EXPERT WITHOUT COMPROMISES

LIFEBOOK E8420

The simple philosophy behind LIFEBOOK E8420: only the best is good enough. It is the ideal choice for performance-oriented office-based users: use state-of-the-art technology and work becomes a pleasure. 39.1 cm (15.4-inch) WSXGA+ display and an optional NVIDIA graphics card ensure a brilliant display screen and best performance.

MORE THAN ENOUGH PERFORMANCE

Maximum productivity even for the most demanding of applications thanks to state-of-the-art technology.

- Intel® Centrino® 2 with vPro™ technology, optional high-performance NVIDIA graphics card

IDEAL SUBSTITUTE FOR A DESKTOP

Effective working even for the most demanding of users in all situations.

- 39.1cm (15.4-inch) WSXGA+ display, modular bay, optional second 320GB hard disk drive

MAXIMUM CONNECTIVITY

Be available wherever you are; wireless connectivity anytime anywhere, even if there is no hotspot nearby.

- Optional integrated 3G/UMTS, WLAN and Bluetooth

MAXIMUM SECURITY

Protect your company data against unauthorized third-party access.

- Benefit from our end-to-end anti-theft concept with system and user protection, such as Computrace® enabled BIOS and Advanced Theft Proetection, optional fingerprint sensor, TPM module and SmartCase Logon+

GREAT FLEXIBILITY

The family concept offers standard accessory components for the LIFEBOOK Series.

- Standardized port replicator, power supply unit and modular bay for optical drive, second battery or second hard disk drive

Green IT | BEST CONNECTIVITY | SYSTEM GUARDS | ULTIMATE SECURITY | FAMILY CONCEPT | 2ND BATTERY | BRILLIANT GRAPHICS | FULL SET OF INTERFACES | INFORMATION DISPLAY | CONFCAM

COMPONENTS

PROCESSOR	Intel® Core™2 Duo processor T9600 (2.8 GHz, 6 MB, 1066 MHz)	
	Intel® Core™2 Duo processor P8800 (2.66 GHz, 3 MB, 1066 MHz)	
	Intel® Core™2 Duo processor P8700 (2.53 GHz, 3 MB, 1066 MHz)	
MEMORY MODULES	2 GB (1 module(s) 2 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM	
	1 GB (1 module(s) 1 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM	
Turbo memory	Optional 4 GB	
Supported capacity RAM (min.)	1 GB	
Supported capacity RAM (max.)	4 GB	
Memory slots total	2	
Memory slot type	DIMM (DDR3)	
Memory notes	8 GB - with future memory modules.	
HARD DISK DRIVES (INTERNAL)	320 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.	
	320 GB, 5400 rpm, FDE, 2.5-inch S.M.A.R.T.	
	160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.	
	160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.	
	128 GB SSD SATA, 2.5-inch S.M.A.R.T.	
Hard disk notes	ShockSensor for HDD shock protection One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software	
WLAN (OPTIONAL)	Atheros Minicard b/g 802.11 b/g	
	Intel® Wireless WiFi Link 5300 AGN 11/13ch	
WIRELESS TECHNOLOGIES		
Antennas	3 Dual band WLAN antennas, 2 UMTS antenna	
Infrared link (Fast IrDa 1.1, 4 Mbps)	1	
WLAN notes	Import and usage according to country-specific regulations.	
UMTS/HSUPA (OPTIONAL)	Sierra Wireless MC8790 (downlink 7.2 Mbit/s, uplink 2.0 Mbit/s)	
DISPLAY	39.1 cm (15.4-inch); TFT; (WXGA); anti-glare display (Intel® graphics)	
	39.1 cm (15.4-inch); TFT; (WSXGA+); anti-glare display	
BLUETOOTH (OPTIONAL)	Bluetooth 2.1	
MODULAR BAY OPTIONS	2nd battery	
	2nd hard disk drive	
	DVD Super Multi	
	Weight saver	

Base unit	LIFEBOOK E8420 Intel gfx	LIFEBOOK E8420 NVIDIA gfx
GENERAL SYSTEM INFORMATION		
Chipset	Intel® GM45, ICH 9-ME	Intel® PM45, ICH 9-ME
BIOS features	BIOS based on Phoenix SecureCore	
GRAPHICS		
Max. resolution external display	1920 x 1200 / true color / 60 Hz	1920 x 1200 pixel
Graphics brand name	Intel® GMA 4500	NVIDIA® GeForce® 9300M GS
Graphics features	DualView (Windows® XP & Windows® Vista)	
INTERFACES		
Memory card slots	1 (SD/MS/MSPro)	1
ExpressCard slots	1	1
PC Card slot (Type I/II)	1	1
SmartCard slot	1	1

INTERFACES		
SIM card slot	1	1
Modem (RJ-11)	1 (optional)	1 (optional)
USB 2.0 total	4	4
FireWire (IEEE1394)	1	1
Serial (RS-232)	1	1
Parallel	1	1
VGA	1	1
HDMI	1	1
Ethernet (RJ-45)	1	1
DC-in	1	1
Audio: line-in / microphone	1	1
Audio: line-out / headphone	1	1
Internal microphones	2	2
Docking connector for Port Replicator	1	1
Kensington Lock support	2	2
WIRED COMMUNICATION		
Modem type	Optional: 56 K V.92 modem MDC1.5	
LAN	10/100/1000 MBit/s Intel® 82567 LM	Built-in 10/100/1000 MBit/s Intel® 82567 LM
KEYBOARD AND POINTING DEVICES		
	Spill-resistant keyboard	
	Number of keyboard keys: 86, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm	
	TouchStick Touchpad with two mouse buttons and one scroll button Second set of mouse buttons EcoButton LockWorkstation button MobilityCenter button Optional: Fingerprint sensor	TouchStick Touchpad with two mouse buttons and one scroll button Second set of mouse buttons EcoButton LockWorkstation button MobilityCenter button Fingerprint sensor
MULTIMEDIA		
Audio type	On board	
Audio codec	Realtek ALC269	
Audio features	Stereo speakers, 2 internal microphones	
Camera	Optional: Built-in webcam, 1.3 megapixel, VGA camera	
POWER SUPPLY		
AC adapter	19 V / 80 W (4.22 A)	19 V / 100 W (5.27 A)
Rated voltage range	100 - 240 V (AC Input)	
Rated frequency range	50 - 60 Hz	
1st battery	Li-Ion battery 8-cell, 5200 mAh, 75 Wh	
2nd battery (optional)	Li-Ion, 3800 mAh, 41 Wh	
Battery features	Dynamic charge supported (rapid charge)	
Benchmark	Mobile Mark 2005	
Runtime 1st battery	up to 7 h	up to 5 h
Runtime 1st + 2nd battery	up to 11 h	up to 7:45 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	
POWER CONSUMPTION		
Power consumption note	See white paper Energy Consumption	
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=ba456383-5387-4df1-ac75-f6baf24a6e03	
DIMENSIONS / WEIGHT / ENVIRONMENTAL		
Dimensions (W x D x H)	357 x 260 x 36 mm	
Weight	2.7 kg	
Weight notes	Actual weight may vary depending on configuration	
Operating ambient temperature	5 - 35°C	

DIMENSIONS / WEIGHT / ENVIRONMENTAL		
Operating relative humidity	20 - 85 % (running)	
OPERATING SYSTEM		
Operating system optional preinstalled	Microsoft® Windows® 7 Professional 32-bit Microsoft® Windows Vista® Business 32-bit Microsoft® Windows Vista® Home Basic 32-bit TwinLoad Microsoft® Windows® XP Professional (DVD)	
Operating system compatible	Microsoft® Windows® XP Professional	
Operating system notes	Driver support for Microsoft® Windows® XP	
ADDITIONAL SOFTWARE		
Additional software (preinstalled)	Adobe Acrobat Reader Application Panel Display Manager ShockSensor Utility Power Saving Utility Wireless Selector Utility EasyGuide online user documentation Nero Essentials S (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Toshiba Stack 4.x (not available for Windows® 7 operating systems)	
Additional software (optional)	Windows Vista® recovery media Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) SmartCase Logon+	
MANAGEABILITY		
Manageability features	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)
Manageability type	DeskView 10.x client management including:	DeskView 10.x client management including:
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Supported standards	WMI PXE BootP (made4you)	WMI PXE BootP (made4you)
Manageability link	http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html	http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html
SECURITY		
Physical security	Kensington Lock support	
System security	Advanced Theft Protection Computrace® enabled BIOS Optional: Trusted platform module (TPM 1.2) Symantec Norton Internet Security (90 day test version)	
User security	Integrated Fingerprint Sensor Integrated SmartCard controller in PC Card with system lock support Separate SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password	Optional: Integrated Fingerprint Sensor Integrated SmartCard controller in PC Card with system lock support Separate SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password
COMPLIANCE		
Europe	CE CE!	

COMPLIANCE	
USA/Canada	FCC Class B (depending on wireless configuration) CSA cUL UL
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) WiFi certified ENERGY STAR® 5.0 EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

PORTREPLICATOR INTERFACES (OPTIONAL)	
DC-in	1
Power on switch	1
Headphones	1
Audio: microphone in	1
USB 2.0 total	4
VGA	1
DVI	1 (with HDCP Support)
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2

RECOMMENDED ACCESSORIES	ORDER CODE
AC Adapter	S26391-F2474-L600 S36391-F408-L300
1st battery	S26391-F405-L810
2nd battery	S26391-F440-L200
Memory (2GB)	S26391-F436-L200
1st hard disk drive	S26391-F437-L300
2nd hard disk	S26391-F437-L350
DVD super Multi	S26391-F440-L100
Port replicator / AC adapter / cable kit	S26391-F408-L100
Recommended cases	S26391-F119-L60 S26391-F119-L71
Accessories link	http://ts.fujitsu.com/accessories

WARRANTY	
Standard Warranty	2 years
Service level	Collect & Return Service / Bring-In Service (depending on country)

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION	
Recommended Service	3 years, On-site Service
Spare Parts availability	5 years
Service Weblink	htttp://ts.fujitsu.com/Supportservice

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu LIFEBOOK E8420, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach,Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructureas-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu LIFEBOOK E8420, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.fujitsu.com/mobile

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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